

Converting Colors

CIELCh(46, 10.806, 42.079)

Have a look what the booklet for
CIELCh(46, 10.806, 42.079) contains.

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Color

CIELCh(46, 10.874, 42.718)

Conversions

Conversions Part 1

Format	Color
Hex	7F6861
RGB	127, 104, 97
RGB Percent	50%, 41%, 38%
CMY	0.5021, 0.5922, 0.6197
CMYK	0.00, 0.18, 0.24, 0.50
HSL	14°, 13%, 44%
HSV	14°, 24%, 50%
XYZ	15.8532, 15.2687, 13.4152
YIQ	110.0790, 15.9550, 2.6990

Conversions

Conversions Part 2

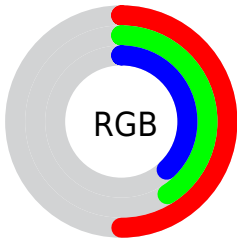
Format	Color
R_{YB}	127, 106, 97
Decimal	8349793
CIE Lab	46.00, 7.99, 7.38
CIE LCh	46, 10.874, 42.718
Yxy	15.2687, 0.3560, 0.3428
Android (android.graphics.Color)	4286539873 (0xFF7F6861)
YUV	110.0790, -6.4479, 14.8397
Hunter-Lab	39.0751, 4.0381, 6.9972

Details

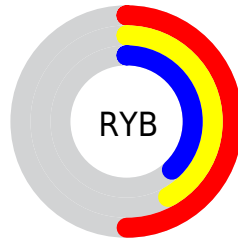
The CIELCh color $46, 10.874, 42.718$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $49, 9.389, 224.732$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $66, 10.733, 41.203$, and $26, 10.636, 42.361$ is the 20% darker color. If you saturate the color by 10%, you get $43, 16.102, 42.626$, and if you desaturate by 10%, it is $49, 6.030, 42.922$.

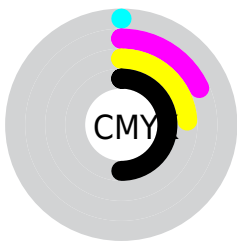
Distribution



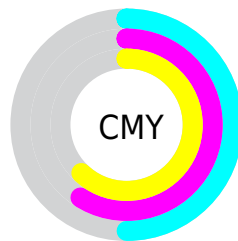
- Red (50%)
- Green (41%)
- Blue (38%)



- Red (50%)
- Yellow (42%)
- Blue (38%)



- Cyan (0%)
- Magenta (18%)
- Yellow (24%)
- Black (50%)



- Cyan (50%)
- Magenta (59%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 10.874, 42.718 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 46, 10.874, 42.718 by changing the saturation by 10% instead.

■ 46, 10.874, 42.718

■ 46, 10.874, 42.718

■ 100, 10.874,
42.718

■ 36, 10.874, 42.718

■ 66, 10.874, 42.718

■ 26, 10.874, 42.718

■ 76, 10.874, 42.718

■ 16, 10.874, 42.718

■ 86, 10.874, 42.718

■ 6, 10.874, 42.718

■ 96, 10.874, 42.718

■ 0, 10.874, 42.718

■ 46, 10.874, 42.718

■ 46, 10.874, 42.718

■ 43, 16.102, 42.626

■ 49, 6.030, 42.922

■ 40, 21.733, 42.659

■ 52, 1.543, 43.046

38, 27.763, 42.854

55, 2.621, 223.811

35, 34.153, 43.227

58, 6.495, 224.141

33, 40.790, 43.757

61, 10.112,
224.568

31, 47.422, 44.332

65, 13.503,
225.026

29, 53.472, 44.623

28, 56.891, 44.786

68, 16.695,
225.499

71, 19.711,
225.977

74, 22.574,
226.456

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



46, 10.874, 42.718



49, 9.389, 224.732

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



46, 10.874, 42.718



46, 10.874, 92.718



46, 10.874, 222.718



46, 10.874, 272.718

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



46, 10.873, 42.727



65, 3.757, 43.053



45, 18.234, 333.203



34, 2.465, 43.046



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



46, 10.873, 42.727



57, 16.348, 42.662



50, 13.248, 93.322



25, 2.459, 43.019



28, 57.092, 44.797



0, 0.000, 0.000

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



49, 9.389, 224.732



62, 13.623, 225.132



44, 13.403, 279.267



26, 2.334, 223.904



38, 26.743, 241.243



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 46, 10.874, 42.718 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 46, 10.874, 42.718 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 46, 10.874, 42.718

Background



This preview shows how black text looks on a background with the CIELCh color 46, 10.874, 42.718.

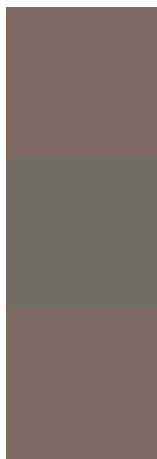


This preview shows how white text looks on a background with the CIELCh color 46, 10.874, 42.718.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

46, 10.874, 42.718

Protanopia

46, 6.146, 93.302

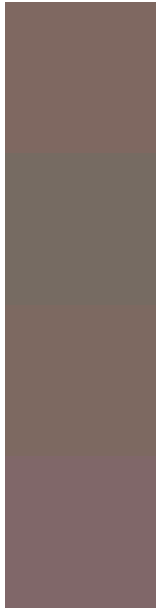
Deuteranopia

46, 9.540, 49.808



Tritanopia
46, 11.811, 357.390

Trichromacy



Original Color
46, 10.874, 42.718

Protanomaly
46, 7.125, 67.937

Deuteranomaly
46, 9.930, 48.573

Tritanomaly
46, 10.659, 14.407

Monochromacy



Original Color
46, 10.874, 42.718

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 3.779, 47.622

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 10.874, 42.718 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(127, 104, 97)` looks like.

```
.text, #text, p{  
    color:rgb(127, 104, 97)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(127, 104, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 104, 97) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 10.874, 42.718 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(127, 104, 97) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(127, 104, 97) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(127, 104, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 104, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 104, 97);  
box-shadow:4px 4px 4px 4px rgb(127, 104,  
97) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 10.874, 42.718 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 104, 97) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(127,  
104, 97) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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